

1

SEQUENCE LISTING

	SEQUENCE LISTING	
<110>	CHOO, YEN ULLMAN, CHRISTOPHER GRAEME CHUA, NAM-HAI	RECEIVED TECH CENTER 1600/2900
	SANCHEZ, JUAN PABLO	JUN EVED
<120>	REGULATED GENE EXPRESSION IN PLANTS	ECH Cr. 30 2002
<130>	674538-2001	CENTER 1600
<140>	09/732,348	.000/2900
<141>	2000-12-07	-500
<150>	PCT/GB00/02071	
	2000-05-30	-
<150>	GB 9912635.1	
<151>	1999-05-28	
<150>	GB 001578.4	
<151>	2000-01-24	
<150>	GB 0001580.0	
<151>	2000-01-24	
<160>	33	
<170>	PatentIn Ver. 2.1	
<210>	1	
<211>		
<212>		
<213>	Artificial Sequence	
<220>	Description of Ambificial Company Complete DVA	
<223>	Description of Artificial Sequence: Synthetic DNA sequence	
<400>	1	
aagga	gatat aacaatg	17
<210>	2	
<211>		
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: Synthetic DNA sequence	
<400>		10
atcaa	CCALQ	10

```
<210> 3
<211> 60
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
ctcctgcagt tggacctgtg ccatggccgg ctgggccgca tagaatggaa caactaaagc 60
<210> 4
<211> 995
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 4
tctagagcgc.cgccatggga gagaaggcgc tgccggtggt gtataagcgg tacatctgct 60
ctttcgccga ctgcggcgct gcttataaca agaactggaa actgcaggcg catctgtgca 120
aacacacagg agagaaacca tttccatgta aggaagaagg atgtgagaaa ggctttacct 180
cgcttcatca cttaacccgc cactcactca ctcatactgg cgagaaaaac ttcacatgtg 240
actoggatgg atgtgacttg agatttacta caaaggcaaa catgaagaag cactttaaca 300
gattccataa catcaagatc tgcgtctatg tgtgccattt tgagaactgt ggcaaagcat 360
tcaagaaaca caatcaatta aaggttcatc agttcagtca cacacagcag ctgccgtatg 420
cttgccctgt cgagtcctgc gatcgccgct tttctcgctc ggatgagctt acccgccata 480
tecgeateca caeaggeeag aageeettee agtgtegaat etgeatgegt aaetteagte 540
qtaqtqacca cettaccace cacatecqca eccacacagg egagaageet tttgeetgtg 600
acatttgtgg gaggaagttt gccaggagtg atgaacgcaa gaggcatacc aaaatccatt 660
taagacagaa ggacgcggcc gcactcgagc ggaattccgg cccaaaaaag aagagaaagg 720
tegececece gaeegatgte ageetggggg aegageteea ettagaegge gaggaegtgg 780
cgatggcgca tgccgacgcg ctagacgatt tcgatctgga catgttgggg gacggggatt 840
ccccggggcc gggatttacc ccccacgact ccgcccccta cggcgctctg gatacggccg 900
acttcgagtt tgagcagatg tttaccgatg cccttggaat tgacgagtac ggtggggaac 960
aaaaacttat ttctgaagaa gatctgtaag gatcc
                                                                   995
<210> 5
<211> 947
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
tctagagcgc cgccatggga gagaaggcgc tgccggtggt gtataagcgg tacatctgct 60
ctttcgccga ctgcggcgct gcttataaca agaactggaa actgcaggcg catctgtgca 120
aacacacagg agagaaacca tttccatgta aggaagaagg atgtgagaaa ggctttacct 180
cgcttcatca cttaacccgc cactcactca ctcatactgg cgagaaaaac ttcacatgtg 240
actoggatgg atgtgacttg agatttacta caaaggcaaa catgaagaag cactttaaca 300
```

gattccataa catcaagatc tgcgtctatg tgtgccattt tgagaactgt ggcaaagcat 360

```
tcaagaaaca caatcaatta aaggttcatc agttcagtca cacacagcag ctgccgtatg 420
cttgccctgt cgagtcctgc gatcgccgct tttctcgctc ggatgagctt acccgccata 480
tecgeateca caeaggeeag aageeettee agtgtegaat etgeatgegt aactteagte 540
gtagtgacca cettaccace cacateegca eccacacagg egagaageet tttgeetgtg 600
acatttgtgg gaggaagttt gccaggagtg atgaacgcaa gaggcatacc aaaatccatt 660
taaqacaqaa qgacgcqgcc gcactcgagc ggaattccgg cccaaaaaag aagagaaagg 720
tcgaacttca gctgacttcg gatgcattag atgactttga cttagatatg ctaggatctg 780
acgcgctaga cgatttcgat ctggacatgt tgggcagcga tgctctagac gatttcgatt 840
tagatatgct tggctcggat gccctggatg acttcgacct cgacatgctg tcaagtcagc 900
tgagccagga acaaaaactt atttctgaag aagatctgta aggatcc
                                                                   947
<210> 6
<211> 14
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 6
                                                                   14
aaggagatat aaca
<210> 7
<211> 29
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 7
tgcgtgggcg tgtacctgga tgggagacc
                                                                   29
<210> 8
<211> 35
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
                                                                   35
ccacgcgtcc atgggagaga aggcgctgcc ggtgg
<210> 9
<211> 44
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 9
                                                                    44
ccactagtcc ttacagatct tcttcagaaa taagtttttg ttcc
<210> 10
<211> 148
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 10
cctctagatc ggtctcccat ccaggtacac gcccacgcaa gtcggtctcc catccaggta 60
cacgcccacg caagtcggtc tcccatccag gtacacgccc acgcaagtcg gtctcccatc 120
caggtacacg cccacgcaag aagcttcc
<210> 11
<211> 148
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 11
ggaagettet tgegtgggeg tgtaeetgga tgggagaeeg aettgegtgg gegtgtaeet 60
ggatgggaga ccgacttgcg tgggcgtgta cctggatggg agaccgactt gcgtgggcgt 120
gtacctggat gggagaccga tctagagg
                                                                    148
<210> 12
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
                                                                   45
ccagatctgg tctcccatcc aggtacacgc ccacgcaaga tctcc
<210> 13
<211> 46
<212> DNA
<213> Artificial Sequence
```

<220> <223> Description of Artificial Sequence: Synthetic DNA sequence	
<400> 13 ggagatettg egtgggegtg tacetggatg ggagaceaga tetegg	46
<210> 14 <211> 34 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic DNA sequence	
<400> 14 ccccatggtg agcaagggcg aggagctgtt cacc	34
<210> 15 <211> 35 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic DNA sequence	
<400> 15 ccgaattett acttgtacag ctcgtccatg ccgag	35
<210> 16 <211> 28 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic DNA sequence	
<400> 16 ccctcgageg gggtaccgcg ggcccggg	28
<210> 17 <211> 30 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic DNA sequence	
<400> 17 cagttggaat tctagagtcg cggccgctac	30

```
<210> 18
<211> 38
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 18
                                                                    38
ccgctcgagg ccccccgac cgatgtcagc ctggggga
<210> 19
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 19
ccgctcgagt attaatttga gaatgaacaa aaaggacc
                                                                    38
<210> 20
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 20
                                                                    38
gccattaatc ggaatgggag agaaggcgct gccggtgg
<210> 21
<211> 32
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic DNA
      sequence
<400> 21
                                                                    32
gcctattaat ttgagaatga acaaaaagga cc
<210> 22
<211> 24
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: Synthetic zinc finger
      formula structure
<220>
<221> MOD_RES
<222> (1)
<223> Any amino acid
<220>
<221> MOD_RES
<222> (3)..(6)
<223> Any amino acid and this region may encompass 2-4
      amino acids
<220>
<221> MOD_RES
<222> (8)..(10)
<223> Any amino acid and this region may encompass 2-3
      amino acids
<220>
<221> MOD RES
<222> (12)..(16)
<223> Any amino acid
<220>
<221> MOD_RES
<222> (18)..(19)
<223> Any amino acid
<220>
<221> MOD_RES
<222> (21)..(23)
<223> Any amino acid
<400> 22
Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
 1
                  5
                                     10
Leu Xaa Xaa His Xaa Xaa Xaa His
             20
<210> 23
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      linker sequence
<400> 23
Thr Gly Glu Lys
 1
```

```
<210> 24
<211> 5
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      linker sequence
<400> 24
Thr Gly Glu Lys Pro
<210> 25
<211> 26
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Consensus
      structure sequence
<400> 25
Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
Leu Val Lys His Gln Arg Thr His Thr Gly
             20
<210> 26
<211> 29
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Consensus
      structure sequence
<400> 26
Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
                                     10
Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
<210> 27
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Illustrative
      leader peptide
```

<400> 27

```
Met Ala Glu Glu Lys Pro
<210> 28
<211> 36
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic zinc
      finger 4 amino acid sequence, including the
      flanking sequence as used in the composite protein
      of the invention
<400> 28
Asn Ile Lys Ile Cys Val Tyr Val Cys His Phe Glu Asn Cys Gly Lys
                                                          15
                                     10
Ala Phe Lys Lys His Asn Gln Leu Lys Val His Gln Phe Ser His Thr
Gln Gln Leu Pro
         35
<210> 29
<211> 108
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      nucleotide sequence of zinc finger 4, including
      the flanking sequence
<400> 29
aacatcaaga totgogtota tgtgtgccat tttgagaact gtggcaaagc attcaagaaa 60
cacaatcaat taaaggttca tcagttcagt cacacacagc agctgccg
<210> 30
<211> 28
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      construct sequence
<400> 30
                                                                   28
ggtctcccat caggtacacg cccacgca
<210> 31
<211> 28
```

المعادية المعادية

<212> <213>	DNA Artificial Sequence	
	Description of Artificial Sequence: Synthetic construct sequence	
<400> ggtctc	31 ccat caggtacacg cgcacgca	28
<210><211><212><213>	11	
	Description of Artificial Sequence: Synthetic DNA sequence	
<400> ggatgg	32 gaga c	11
<210><211><212><213>	10	
	Description of Artificial Sequence: Synthetic DNA sequence	
<400> gcgtgg		10